**Specifications**

The thermal inlet duct shall be designed to be compatible with the Cisco® Catalyst 4900M switch using Computational Fluid Dynamics (CFD) modeling and verified via operational testing. The inlet duct shall consist of one 2 rack units (RU) inlet duct chassis and a side duct to feed cool air from the cold aisle to the switch’s side inlet and prevent hot exhaust recirculation. The duct system shall allow the equipment rails to be adjusted from 28” – 30” in the server version and 24” – 26” in the switch application. The modular duct shall be capable of being installed in a retro-fit application without disrupting existing in-cabinet equipment and cabling.

**Technical Information**

**Dimensions:** 29.25"L x 19.48"W x 7.0"H (743mm x 495mm x 177mm)

**Key features and benefits**

- **Passive airflow**: No additional moving parts or power required for a more reliable, efficient, economical and environmentally friendly system.
- **Certified performance**: Designed and validated thermal performance by Panduit.
- **Physical separation between inlet and exhaust airflow**: Segregates inlet and exhaust airflow preventing hot air recirculation reducing inlet temperatures.
- **Inlet duct design**: Ensures the cabinet is containment ready for vertical exhaust ducting (VED) and Cold Aisle Containment.
- **Maximized space utilization**: Allows the switch to be deployed in a 800mm wide Panduit cabinet without sacrificing thermal performance.
- **Energy efficiency**: Provides cool air to the switch resulting in lower fan speed reducing fan power consumption and improving reliability.
- **Day one or two installation**: Eliminates the requirement to replace or disturb existing cabinets, equipment and infrastructure for lower capital expenditures and minimized risk.
- **Easy access**: Allows access to the power supplies and fan modules minimizing network downtime.
- **Integral bonding to cabinet**: Cabinets and accessories are single-point bonded, providing a safe and reliable network, while reducing installation costs.

**Applications**

Cisco® Catalyst 4900M provides an ideal solution for space constrained deployments that require high performance wire speed services, high availability, and the modular flexibility of deploying Gigabit Ethernet and 10 Gigabit Ethernet, all in a small 2 RU form factor. Panduit has developed a comprehensive physical infrastructure solution for the Catalyst 4900 switch platform.

By providing a path for cool air to the switch, data center temperature set points can be raised, resulting in higher energy efficiencies and lower operating costs.

**www.panduit.com**
Thermal Inlet Duct for the Cisco® Catalyst 4900M Switch For Net-Access™ Switch Cabinets (CN™) and Net-SERV® Cabinets (CS™, S™)

Figure 1. Switch application

Figure 2. Server application

Support Rails Adjust from:
24” to 26” (for switch version)
28” to 30” (for server version)

For a copy of Panduit product warranties, log on to www.panduit.com/warranty

For more information
Visit us at www.panduit.com
Contact Customer Service by email: cs@panduit.com
or by phone: 800.777.3300 and reference RKSP93